Title (en)

A system for discharging the heating fluid from an anti-icing device in the air intake of a turbojet engine at a low pressure and with a high degree of mixing

Title (de)

System zum Abtransport der Heizflüssigkeit aus einer Anti-Vereisung-Vorrichtung in die Luftzuführung eines Turbostrahltriebwerkes bei niedrigem Druck und mit einem hohen Mischgrad

Title (fr)

Système pour décharger à basse pression et avec un haut degré de delution, le fluide chaud d'un dispositif de dégrevage dans l'entrée d'air d'un turboréacteur

Publication

EP 0536089 B1 19970625 (EN)

Application

EP 92830507 A 19920922

Priority

IT TO910750 A 19911003

Abstract (en)

[origin: EP0536089A1] The hollow casing (4) which constitutes the air intake of a turbojet engine has an outlet for the hot air which is used to prevent ice from forming on the front lip of the casing. The outlet is constituted by a plurality of slots (15) which are arranged and shaped in a manner such that they generate a low-pressure jet of hot air which undergoes a high degree of mixing with the external air and is consequently cooled so as not to burn the panels constituting the outer wall of the engine housing immediately downstream of the hot-air outlet. <IMAGE>

IPC 1-7

B64D 15/04

IPC 8 full level

B64D 15/04 (2006.01); **F02C 7/00** (2006.01); **F02C 7/047** (2006.01)

CPC (source: EP)

B64D 15/04 (2013.01); **F02C 7/047** (2013.01); B64D 2033/0233 (2013.01); Y02T 50/60 (2013.01)

Cited by

EP0921293A1; FR2771776A1; EP1111226A1; FR2802573A1; WO2019229337A1; US6267328B1; CN103867237A; US6079670A; CN103184935A; EP3287622A1; EP3628590A1; FR3086642A1; EP0918149A1; FR2771451A1; US6241189B1; US6131855A; US10221765B2; FR3081926A1; EP3590841A1; WO2012128778A1; EP0922842A1; FR2772341A1; US6427434B2; US11199108B2; US11208952B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 92830507 A 19920922; AT 92830507 T 19920922; DE 69220548 T 19920922; DK 92830507 T 19920922; ES 92830507 T 19920922; IT TO910750 A 19911003; JP 28703392 A 19921002